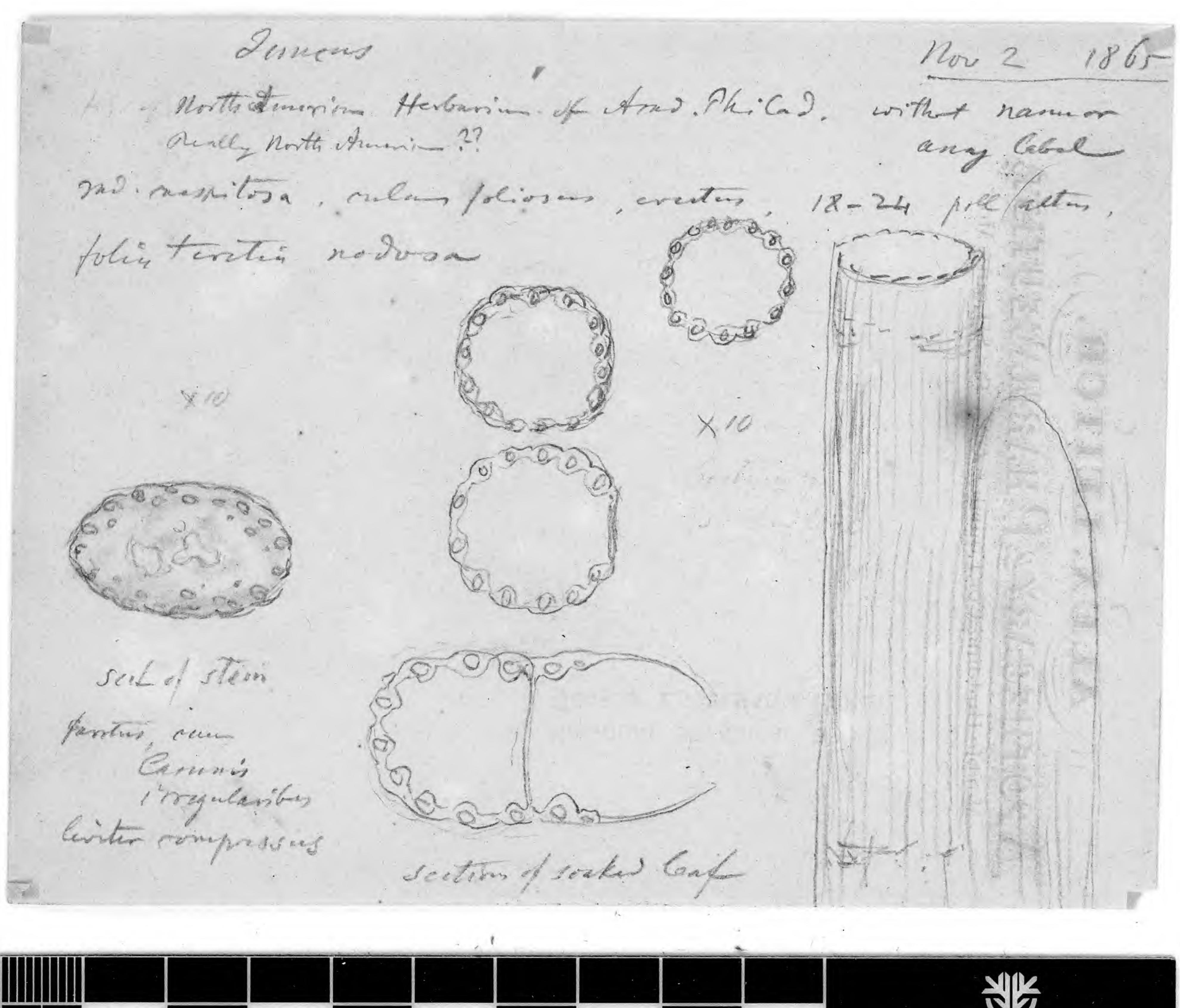


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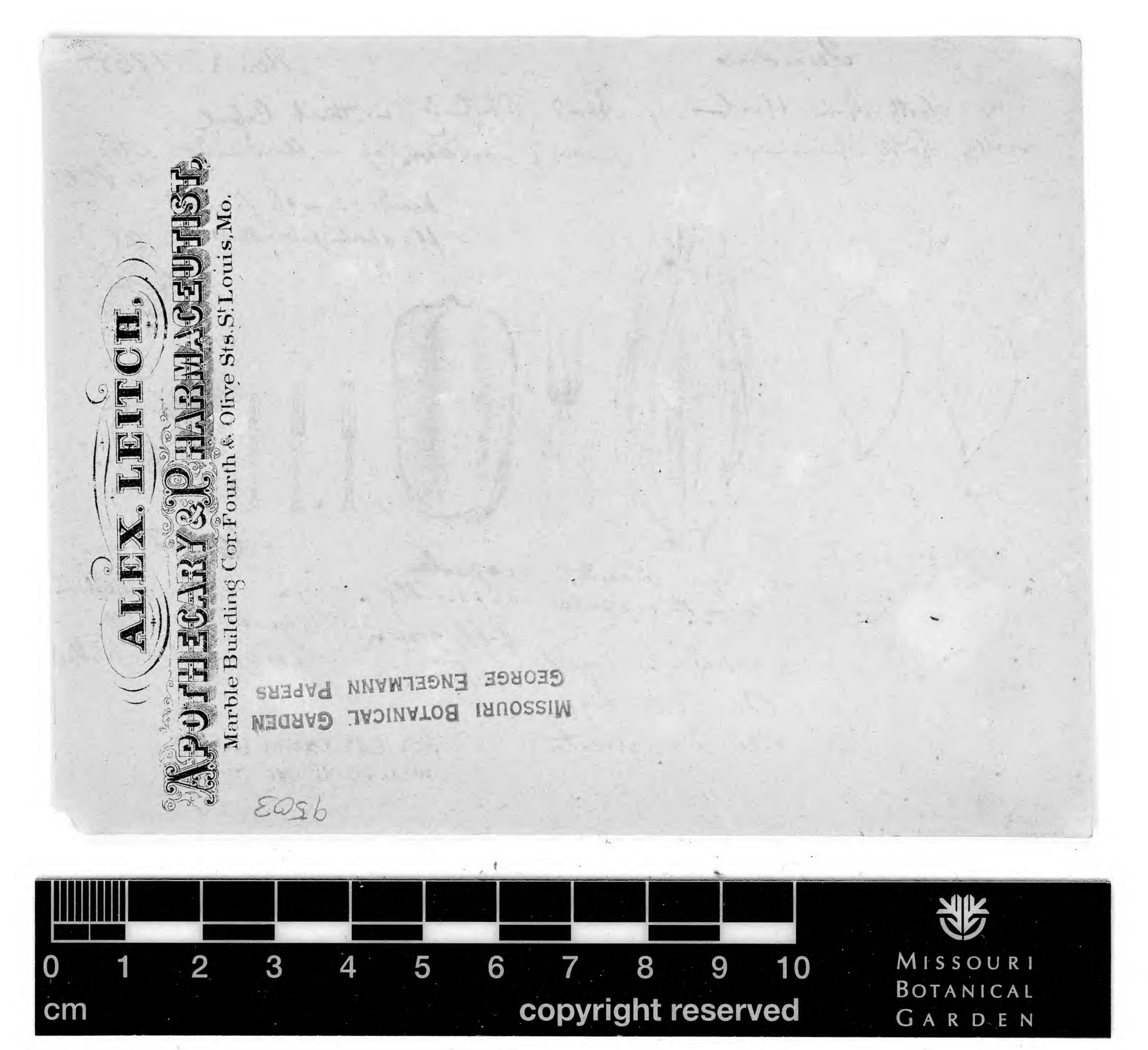




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North Am Howler of And . O'Lland . without Cabol on the ruley North Aurenia ? probably Balding Cay of Maldonado on the head, 12-16 flower to the flower - floored posseled Viting young day over the capsole Sepala I-brapelia gaterra allo marginala 一方式是是 新疆市场的 医沙色测量 CONTROL ROLL ROLL CHEST CONTROLL





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Marble Building, Cor. Fourth and Olive Streets,

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MISSOURI BOTANICAL GARDEN

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By HENRY

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them also .. 8 2

in none whether they were both ends development when they were hemihedral, a The hardness of the mineral i e blowpipe; and when strongly blisters, but does not show any s the reactions of fluorine, alun made for other elements,

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SHUMARD-NEW PALEOZOIC FOSSILS.

ELEACRINUS KIRKWOODENSIS, n. SI

Body very small, subglobose, a little longer than wide, flattened above and below. Basal pieces very gently concave with their edges on a level with the plane of the under side Radial pieces (fork pieces) reaching to the base and occupying more than four fifths the entire length of the body, narrow below and widest in the middle, sides gently arched. Interradial pieces subdeltoid, very prominent towards the apex, much longer than wide, obtusely angulated below, acutely angulated above, and notched on either side a short distance below the summit. Pseudo-ambulacral areas extending from base to summit, narrow, deeply impressed; sides nearly parallel; pore pieces amounting to about fifty in each field. A longitudinal fissure or slit extends from the central summit opening downwards, separating the pore pieces of one side from their fellows of the opposite for the distance of about one fifth the length of the field, thence their inner edges are united in the median line to the base. Pseudo-ambulacral spaces lanceolate, sloping gently from their edges to the sutures. Ovarial apertures eight, very minute, situated at the notches of the interradial plates. Anal opening large, circular or very slight.

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IV. Direct	ion of	Winds		and n	number	er o	fTh	hund	erstorms in 36
1861.		N.	N.E.	S.W.	N.W.	ÇO2	*	S.E.	Prevailing Winds.
January	111	ا دن د	12	22	38	100	28	61	
March	12	11	10	23	30		42	The second secon	4.
April	: 16	10	99	26	22	25	34	26	S. & W
June	12	21	22	20	25	26	00		S.E.
July	: 2 2	31	74	21	26 11	46	25		
September		14	18	26	30	13			80
October		9	5	21	30	33	30	46	E. &
November.	9	15 19	900	25	23	320	36	51	HH
	136	169	190	279	293	293	324	522	S.E.
1862.	E. S.W	N	N.E	W	Š	N.W	S.E.		Prevailing Winds
Tan	19 6 9		9 23 16	29	100	39	51	20.00	
		_	3 H	- 07		34	43	17.47.	S.E. & N.W
May.		<b></b> +	ယင	<b></b> +	<b>ဃ</b> ⊦	14	44	100	& N.E
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WISLIZENUS-ATMOSPHERIC ELECTRICITY.

Additional Remarks on Atmospheric Electricity.

By A. Wislizenus, M.D.

The delay in the publication of this volume enables me to add to my observations of atmospheric electricity in 1861, the result of my observations in 1862. The latter observations have been made in the same manner and by means of the same fine glass thread, which, after many thousand torsions, proves as good as ever. I present herewith in tabular form the general result of my observations in 1861 and 1862.

I. Monthly mean of Positive Atmospheric Electricity in 1861 and 1862, at St. Louis, Mo., based upon daily observations at 6, 9, 12, 3, 6 and 9 o'clock, from morning till night.

Jan. Feb. Mar. Ap'l. May. Jun. Jul. Aug. Sept. Oct. Nov. Dec. Year. 1861\*16.5 12.1 9.8 8.8 7.8 4.0 3.7 3.4 3.0 7.1 10.0 14.3 8.4 1862...12.1 16.0 9.4 10.6 7.5 3.0 2.2 2.3 3.0 7.7 12.6 13.9 8.4

\* This table of 1861 differs in some decimals from that published on page 66 and in gram No. 1. Having discovered some errors, I calculated all my observations once mand give now the present as the corrected table.

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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Snowing was accompanied	By Positive Electri-   By Negative Electri-   By no Electricity.   In 1861.   In 1862.   In 1862.   In 1862.   In 1862.   In 1862.   In 1865.   In 1865.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	The monthly mean of atmospheric electricity in 1862 was not quite so regular as that in 1861. While in 1861 an un-	
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December; the second with of March, April, May and lowest electricity by the n September.

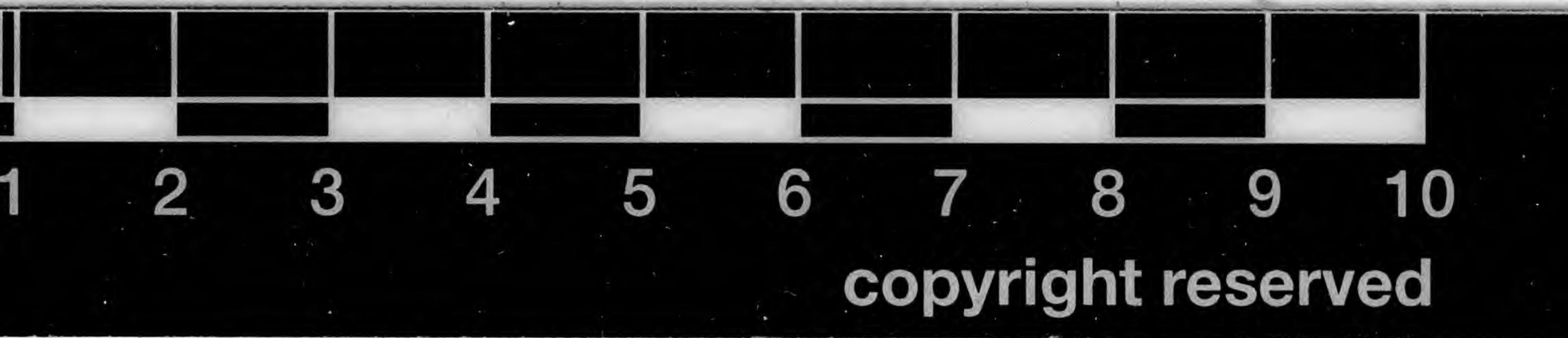
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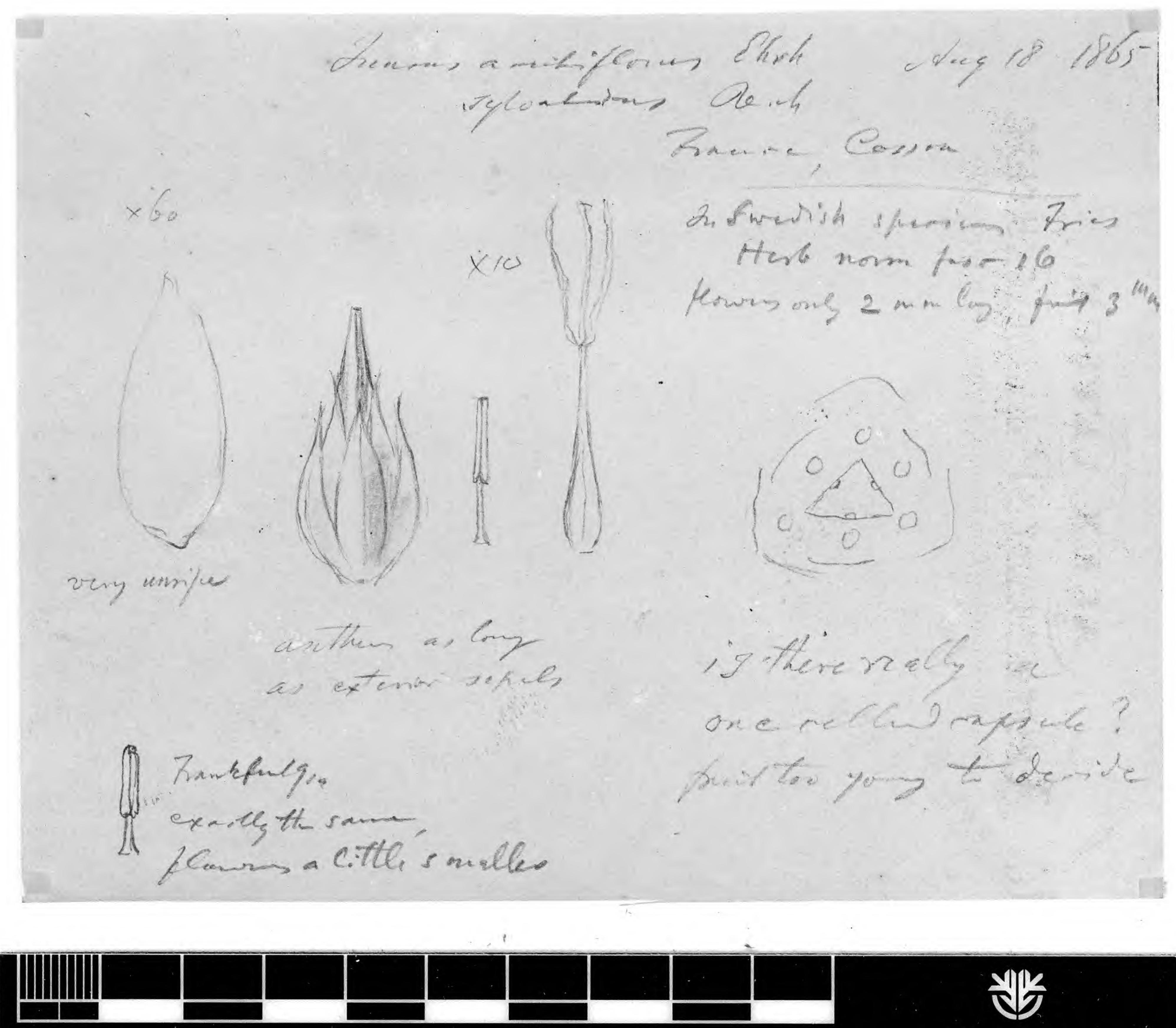
first and second. But these dithroughout the year, that the 1861 and in 1862 is exactly the identity in the yearly result, e not to be expected every yearly mean othat of temperature, of relative esult, even to decimals, is or corry year; but it seems to proviean of electricity is as constanted at the constant of the con

confirms atmos-

The third table, showin pheric electricity, confirms minima of electricity as an







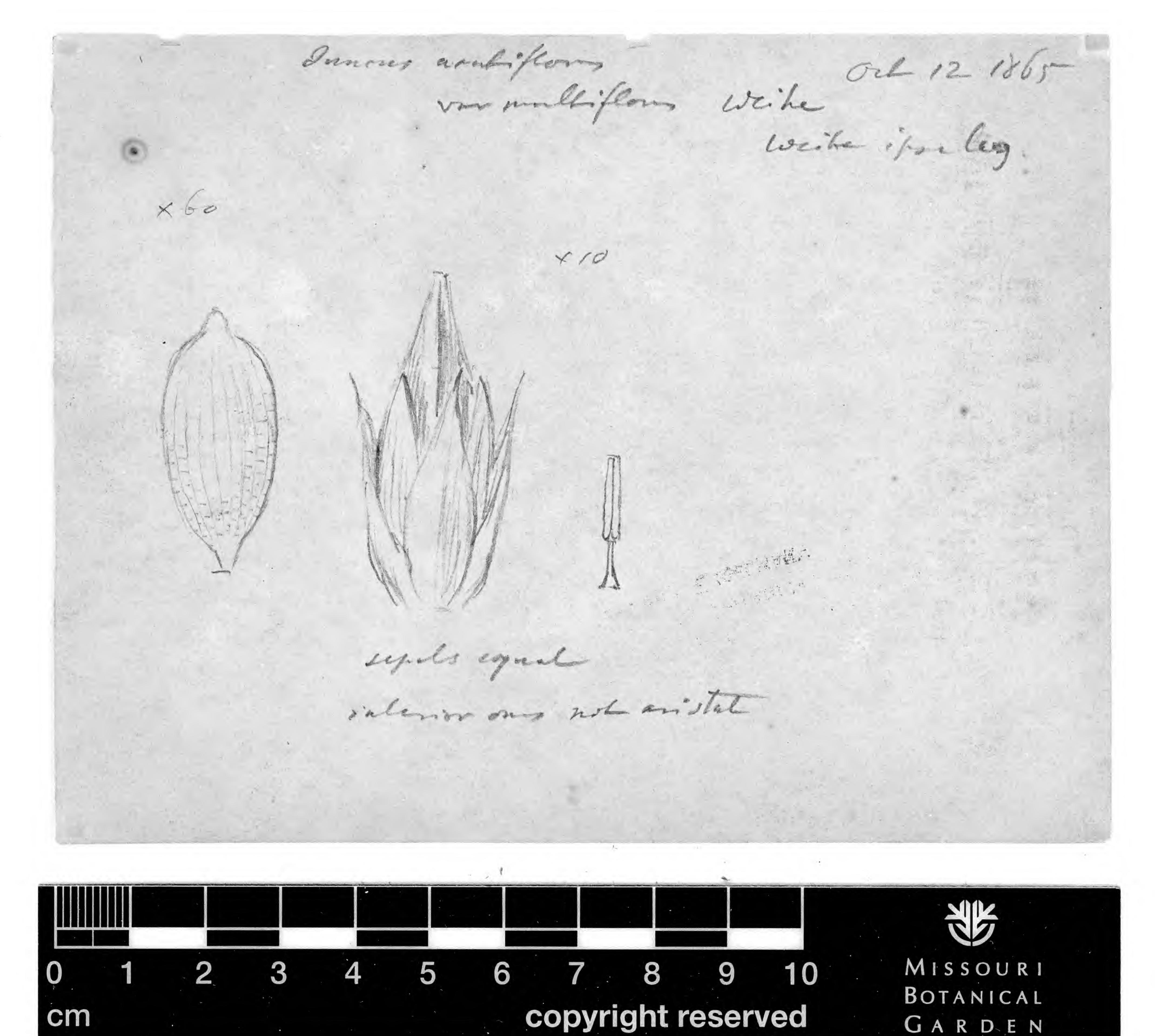
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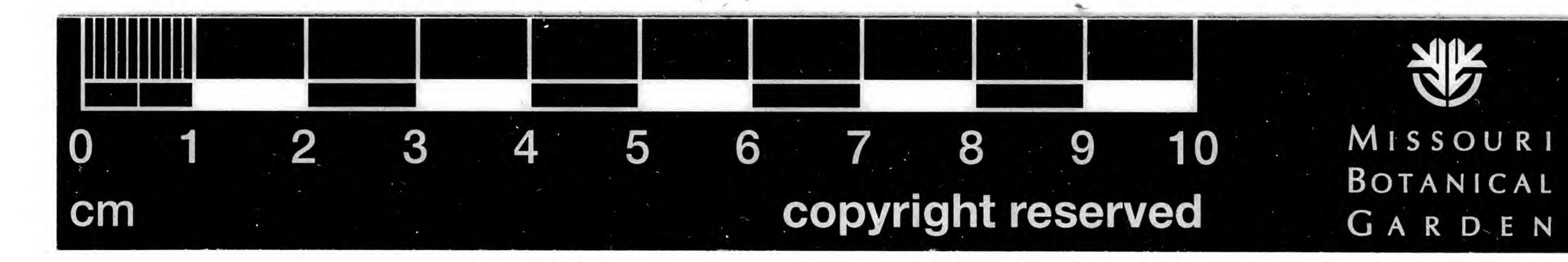


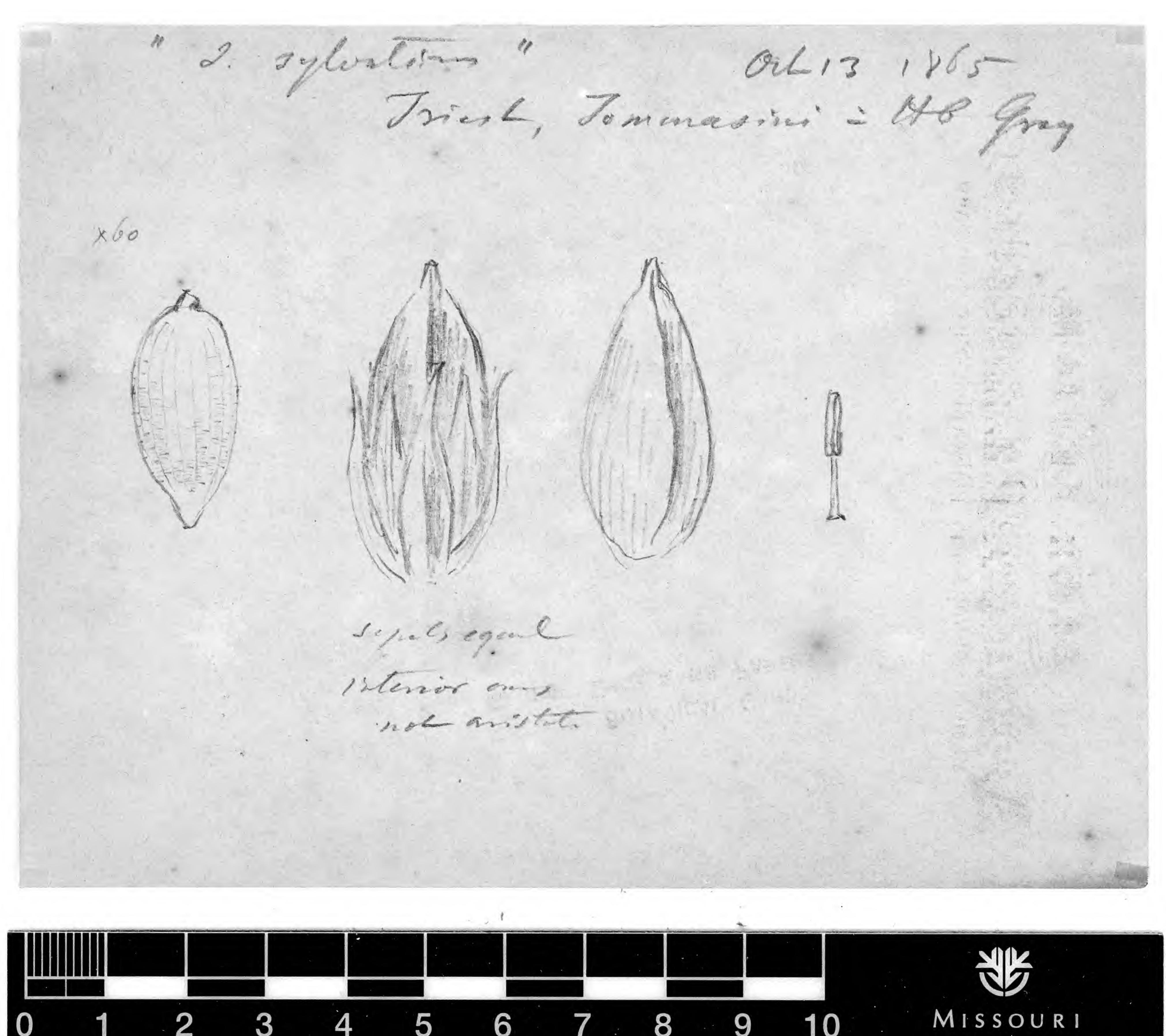




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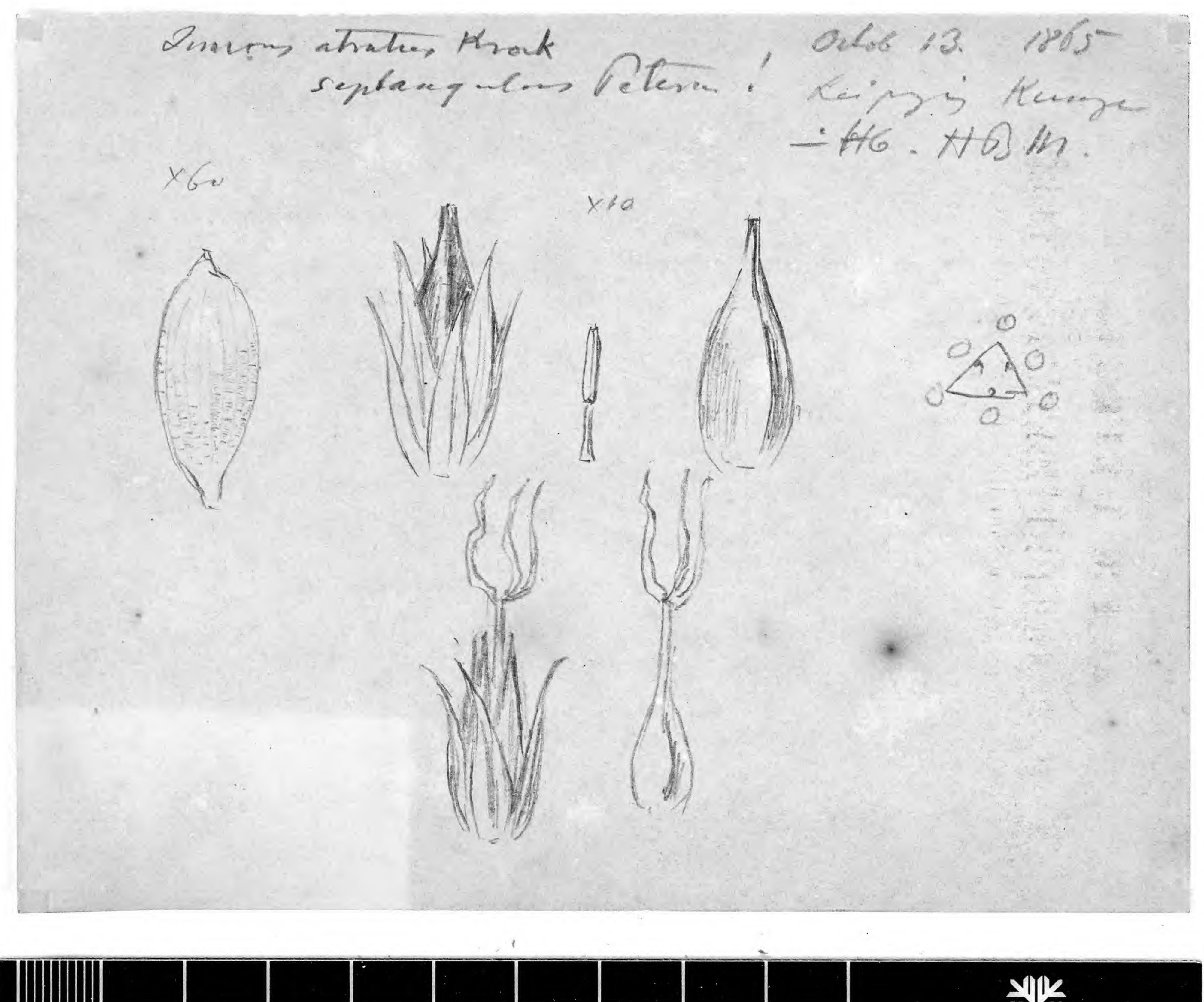
to gain a spring of water in This desert was then entirel doubt that more interesting

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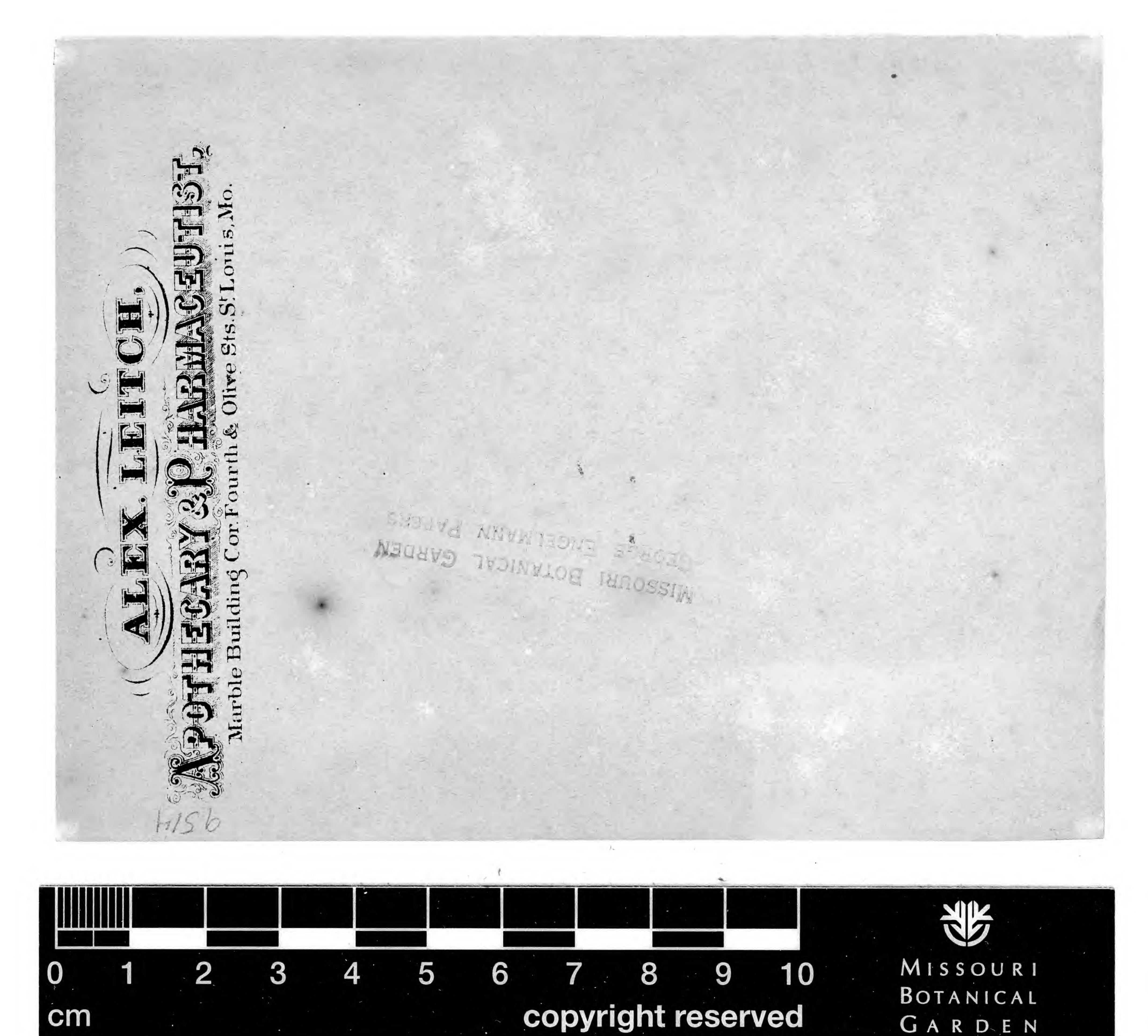
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